

Transfer/General Education Outcomes and Course Maps

Transfer/General Studies Division

Mission

The Transfer/General Studies Division, which is comprised of five departments – Biology, Business/Information Systems, Communications, Liberal Arts, and Math/Engineering/Physical Sciences is committed to providing excellence in all areas of instruction and offer educational opportunities that meet or exceed the standards set forth by all appropriate accrediting agencies. The Transfer/General Studies Division endeavors to provide an educational environment that is accessible to and meets the needs of all students including providing educational opportunities via distance learning as well as traditional classes.

Division Long Range Goals

- Offer developmental education in mathematics and English, if needed, in order to prepare students for upper level courses.
- Offer high-quality transferable courses for students who intend to transfer to a senior university.
- Offer relevant courses to support the needs of students in other divisions of the college.
- Coordinate with other institutions within the Alabama Community College System to maintain articulation agreements.

Associates Degree Outcomes

Students at Jefferson State may earn one of three associate degrees – associate in arts, associate in science, or associate in applied science – by completing one of the Jefferson State degree plans. Within each degree plan is a core of courses designed to provide general skills and broaden the students' perspectives. The Transfer/General Studies Division is responsible for providing high-quality courses that fulfill these purposes and result in the following general education outcomes:

A. Associates Degree/General Education Outcomes

1. The student will write sequential statements in Standard English, with a clear central idea, with sentences related to one another, providing relevant and sufficient supporting details and examples, logical and effective organization, and appropriate grammar, spelling and mechanics.
2. The student will read, understand, and evaluate materials written at a variety of levels and for a variety of purposes.
3. The student will be knowledgeable in the basic use of computers.
4. The student will speak effectively in acceptable English with unity of thought and logical arrangement of ideas in suitable modes, choosing appropriate language and tone.
5. The student will use abstract ideas, symbols, and fundamental skills of mathematics to analyze and solve problems.

B. Transfer Outcome

1. Students will be successful upon transfer to senior institutions.

Biology Department

Mission

The mission of the Biology Department is consistent with the mission of Jefferson State Community College. The department provides biology courses appropriate for students majoring in both science and non-science disciplines. Our teaching aims to help prepare students for their future professions both inside and outside of the scientific field and also to be a more informed member of their community, able to make responsible decisions in biological matters.

Department Long Range Goals

- Provide pre-professional programs that offer a structured, timely and comprehensive education.
- Provide quality instruction in freshman and sophomore level courses in biology that transfer to senior institutions, and that lead to associate degrees.
- Prepare students with strong content knowledge in biology with emphasis on critical thinking and problem solving skills, which will allow them to meet their career goals.
- Advise students regarding choice of courses relevant to their academic major and senior institution. The Biology Department is committed to excellence in student advisement and career planning.
- Support public service activities by providing faculty expertise to government agencies, to industry, to educational systems and to professionals desiring additional scientific education or advice.

Associates Degree Outcomes

- The student will read, understand, and evaluate materials written at a variety of levels and for a variety of purposes.

Department Level Student Learning Outcomes

1. Students will understand the principles and processes that are fundamental to life.
2. Students will understand the fundamental principles of biology at the elemental, cellular, molecular, and organism levels.
3. Students will receive the appropriate Biological knowledge to support a career within the Scientific, Medical, or Health and Fitness community.
4. Students will understand principles of human biology that relate to health and fitness.

Course/Outcome Mapping

The following chart indicates Biology courses where department level student learning outcomes are Introduced (I), Practiced (P) and/or Mastered (M).

COURSES	DLSLO #1	DLSLO #2	DLSLO #3	DLSLO # 4
BIO 101	I, P	I, P		I
BIO 102	I, P	I, P		
BIO 103	I, P, M	I, P, M	I, P, M	I
BIO 104	I, P, M	I, P, M	I, P, M	
BIO 201	I,P	I,P	I,P	I, P
BIO 202	I,P	I,P,M	I,P,M	I, P
BIO 220	I,P,M	I,P, M	I, P, M	
HED 221	I		I	I, P
HED 222			I	I, P
HED 231			I	I
PED 100		I	I	I, P
PED 200			I, P	I, P

Business/Information Systems Department

Mission

The Department of Business and Information Systems includes the areas of Business, Computer Science, and Office Administration. The mission of this department is two-fold. The department provides all students access to quality educational opportunities and experiences that will meet the needs of an ever-changing and increasingly demanding technological society. In addition, the department provides outstanding educational instruction which prepares students for transfer to a college or university.

Department Long Range Goals

- Provide career programs and professional degree programs that enable graduates to obtain immediate employment
- Prepare students to continue their education at four-year institutions
- Expand learning opportunities through the integration of technology with instruction
- Provide access to instruction through distance learning as well as traditional modes of delivery
- Provide courses that help those already employed acquire specialized skills needed as a result of technological advances or for job advancement
- Evaluate programs and courses for relevancy, making appropriate changes when needed
- Maintain a professional and knowledgeable faculty

Associates Degree Outcomes

- The student will read, understand, and evaluate materials written at a variety of levels and for a variety of purposes.
- The student will be knowledgeable in the basic use of computers.

Department Level Student Learning Outcomes

1. Students will acquire knowledge of computers and their applications.
2. Students will acquire content knowledge applicable to business, accounting and economics.
3. Students will develop analytical, computational and organizational skills.

Course/Outcome Mapping

The following chart indicates Business/Information Systems courses where department level student learning outcomes are Introduced (I), Practiced (P) and/or Mastered (M).

COURSES	DLSLO #1	DLSLO #2	DLSLO #3
BUS 146	I	I,P	I,P
BUS 241	I,P	I,P	I,P
BUS 242	I,P	I,P,M	I,P,M
BUS 263		I,P	
BUS 271	I,P	I,P	I,P
BUS 272	I,P	I,P,M	I,P,M
ECO 231		I,P,M	
ECO 232		I,P,M	
CIS 130	I,P		
CIS 146	I,P		
CIS 251	I,P		
CIS 285	P,M		
OAD 211		I	

Communications Department

Mission

The mission of the Communications Department is to develop in students a desire for excellence in scholarship, an ability to communicate effectively and an appreciation for the humanities. The department endorses the college's Mission Statement and strives to uphold its commitment to learning.

Department Long Range Goals

- Meet students' needs by providing a variety of learning activities to address diverse learning styles.
- Provide access to instruction through distance learning as well as traditional modes of delivery.
- Prepare students to continue their education at four-year institutions or to enter the workforce.
- Offer courses that allow students to upgrade communication skills and knowledge for personal enrichment or for job advancement.
- Maintain an informed and professional faculty.

Associates Degree Outcomes

- The student will write sequential statements in Standard English, with a clear central idea, with sentences related to one another, providing relevant and sufficient supporting details and examples, logical and effective organization, and appropriate grammar, spelling and mechanics.
- The student will read, understand, and evaluate materials written at a variety of levels and for a variety of purposes.
- The student will speak effectively in acceptable English with unity of thought and logical arrangement of ideas in suitable modes, choosing appropriate language and tone.

Department Level Student Learning Outcomes

1. Students will develop skills and knowledge to write and speak effectively.
2. Students will develop critical thinking and problem solving skills.
3. Students will develop skills in researching and evaluating materials to support ideas.
4. Students will acquire content knowledge in the humanities.

Course/Outcome Mapping

The following chart indicates Communications courses where department level student learning outcomes are Introduced (I), Practiced (P) and/or Mastered (M).

COURSES	DLSLO #1	DLSLO #2	DLSLO #3	DLSLO #4
ENG 093	I, P	I, p		
ENG 101	I, P	I, P	I,P,M	
ENG 102	P	I, p	P	
ENG 246	I, P	P	P	P,M
ENG 251	P	P,M	P, M	P,M
ENG 252	P	P,M	P,M	P,M
ENG 261	P	P, M	P, M	P,M
ENG 262	P	P, M	P,M	P,M
ENG 271	P	P, M	P,M	P,M
ENG 272	P	P, M	P,M	P,M
SPH 106	I, P	I, P, M	I, P, M	
SPH 107	I, P	I, P, M	I, P, M	
SPH 116	I, P	I, P, M	I, P, M	
SPA 101	I,P	I,P		I,P
SPA 102	I,P	I,P		I,P
THR 120	I, P	P, M	P,M	P, M

Liberal Arts

Mission

The mission of the Liberal Arts Department is to offer courses and programs that will provide a quality educational experience. The Liberal Arts Department is divided into two areas- Humanities and Social Sciences.

The Humanities area of this department is dedicated to providing valuable learning experiences in the liberal arts tradition. The department is committed to offering those courses which will present the student an excellent opportunity to pursue moral, creative, and philosophical interests. Courses within this curriculum include art, music, religion, and philosophy.

The Social Science area of this department also acknowledges the liberal arts tradition. It is committed to creating a learning environment of self-awareness along with a sense of growth and development. Courses in this curriculum include anthropology, geography, history, political science, psychology, and sociology.

Department Long Range Goals

- Prepare students to continue their education at four-year institutions or to enter the workforce
- Provide access to instruction through distance learning as well as through traditional methods.
- Provide students with a discipline approach to the theories and methodologies that will

assist them in understanding their society.

- Provide for its students an informal and participatory environment which encourages them to adopt a lifestyle of intellectual growth and self-awareness.
- Cultivate qualities of character and leadership in students by developing their analytical skills as well as creating a sensitivity to values essential for people living in an ever-changing world.
- Maintain an informed and professional faculty.

Associates Degree Outcomes

- The student will write sequential statements in Standard English, with a clear central idea, with sentences related to one another, providing relevant and sufficient supporting details and examples, logical and effective organization, and appropriate grammar, spelling and mechanics.
- The student will read, understand, and evaluate materials written at a variety of levels and for a variety of purposes.
- The student will speak effectively in acceptable English with unity of thought and logical arrangement of ideas in suitable modes, choosing appropriate language and tone.

Department Level Student Learning Outcomes

1. Students will acquire content knowledge in the arts, humanities and social sciences.
2. Students will gain a better understanding of their society and cultural differences among people in an ever-changing world.
3. Students will develop analytical skills by researching and evaluating materials to support ideas.

Course/Outcome Mapping

The following chart indicates Communications courses where department level student learning outcomes are Introduced (I), Practiced (P) and/or Mastered (M).

COURSES	DLSLO #1	DLSLO #2	DLSLO #3
ART 100	I, P	I, P	I, P
ART 113	I, P	I	I, P
ART 114	P, M	I	I, P
ART 121	I, P	I	I, P
ART 127	P, M	I	I, P
ART 143	I, P	I	I, P
ART 173	I, P	I, P, M	I, P
ART 174	P, M	I, P, M	I, P
ART 203	I, P	I, P, M	I, P
ART 204	P, M	I, P, M	I, P
ART 220	I, P	I	I, P
ART 221	P, M	I	P, M

ART 233	I, P	I	I, P
ART 234	P, M	I	P, M
ART 253	I, P	I	I, P
ART 254	I, P	I	I, P, M
ART 283	I, P	I	I, P
ART 284	I, P	I	I, P, M
GEO 100	I, P	I, P	I, P
HIS 101	I	I	P
HIS 102	I	I	P
HIS 201	I	I	P
HIS 202	I	I	P
HUM 298	I, P	I, P	I, P
MUS 101	I, P	I, P	I, P
MUS 110	I, P	I	I, P
MUL 180	I, P	I	I, P
MUL 181	I, P	I	I, P
MUL 182	I, P	I	I, P
MUL 183	I, P	I	I, P
PHL 106	I, P	I, P	I, P
PHL 116	I, P	I, P	I, P
PHL 206	I, P	I, P	I, P
POL 211	I, P	I, P	I, P
PSY 200	I, P, M	I, P	I, P
PSY 210	I, P, M	I, P, M	I, P
PSY 220	I, P, M	I, P	I, P
PSY 230	I, P, M	I, P	I, P, M
REL 151	I, P	I, P	I, P
REL 152	I, P	I, P	I, P
SOC 200	I, P	I, P	I, P
SOC 210	I, P	I, P	I, P
SOC 247	I, P	I, P	I, P

Mathematics, Engineering and Physical Sciences Department

Mission

The Department of Mathematics/Engineering/Physical Sciences offers a broad range of courses that service the career programs of the college and that will transfer to baccalaureate degree granting institutions. The department also offers developmental mathematics courses to prepare students for college level mathematics.

Department Long Range Goals

- Provide freshman and sophomore-level course work which meets or exceeds the standards of public institutions of higher learning.
- Offer an innovative remedial mathematics program accommodating various skill levels.
- Develop and provide courses relevant to the career and professional degree programs of the college. Prepare students with strong content knowledge in chemistry and physics with emphasis on critical thinking and problem solving skills, which will allow them to meet career goals.
- Offer transferable courses in astronomy and physical science that will meet general education requirements in science.
- Ensure supplementary student support through audiovisual materials and tutorial services.
- Provide academic advising to students with engineering majors and general studies.

Associates Degree Outcomes

- The student will write sequential statements in Standard English, with a clear central idea, with sentences related to one another, providing relevant and sufficient supporting details and examples, logical and effective organization, and appropriate grammar, spelling and mechanics.
- The student will read, understand, and evaluate materials written at a variety of levels and for a variety of purposes.
- The student will use abstract ideas, symbols, and fundamental skills of mathematics to analyze and solve problems.

Department Level Student Learning Outcomes

1. Students will acquire content knowledge of the physical sciences and mathematics.
2. Students will develop problem solving and critical thinking skills.
3. Students will be prepared to use mathematics in other disciplines.

Course/Outcome Mapping

The following chart indicates Mathematics, Engineering and Physical Sciences courses where department level student learning outcomes are Introduced (I), Practiced (P) and/or Mastered (M).

COURSES	DLSLO #1	DLSLO #2	DLSLO #3
MTH 090	I, P, M	I, P	I, P
MTH 098	I, P, M	I, P	I, P
MTH 100	I, P, M	I, P	I, P
MTH 110	I, P, M	I, P	I, P
MTH 116	I, P, M	I, P	I, P
MTH 112	I, P, M	I, P	I, P
MTH 113	I, P, M	I, P	I, P
MTH 115	I, P, M	I, P	I, P
MTH 120	I, P, M	I, P	I, P
MTH 125	I, P, M	I, P	I, P
MTH 126	I, P, M	I, P	I, P
MTH 227	I, P, M	I, P	I, P
MTH 238	I, P, M	I, P	I, P
MTH 265	I, P, M	I, P	I, P
CHM 104	I, P, M	I, P	I
CHM 105	I, P, M	I, P	I
CHM 111	I, P, M	I, P,	I, P, M
CHM 112	I, P, M	I, P	I, P, M
CHM 221	I, P, M	I, P	I, P, M
CHM 222	I, P, M	I, P	I, P, M
PHS 111	I, P, M,	I, P	I
PHS 112	I, P, M	I, P	I
PHY 201	I, P, M	I, P	I, P, M
PHY 202	I, P, M	I, P	I, P, M
PHY 213	I, P, M	I, P	I, P, M
PHY 214	I, P, M	I, P	I, P, M
AST 220	I, P, M	I, P	I